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09/397782

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(3 AND 4).JPAB,EPAB,DWPI,TDBD.	1

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Refine Search:

13 and 14	▲
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Search History**Today's Date: 12/12/2000**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
JPAB,EPAB,DWPI,TDBD	itr	191	<u>L1</u>
JPAB,EPAB,DWPI,TDBD	inverted adj tandem adj repeat	2	<u>L2</u>
JPAB,EPAB,DWPI,TDBD	11 or 12	192	<u>L3</u>
JPAB,EPAB,DWPI,TDBD	reverse adj transcriptase	1477	<u>L4</u>
JPAB,EPAB,DWPI,TDBD	13 and 14	1	<u>L5</u>

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: WO 200022114 A1, AU 9962988 A

L5: Entry 1 of 1

File: DWPI

Apr 20, 2000

DERWENT-ACC-NO: 2000-317974

DERWENT-WEEK: 200038

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TITLE: Genetic element for producing and delivering single-stranded DNA, comprises a gene encoding reverse transcriptase and a sequence of interest flanked by an inverted tandem repeat and primer binding site

		CIT:1		REV:1	CLS:1		REF:1		DRAW:1	
Full	Title									

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(8 AND 9).USPT.	45

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Search History**Today's Date: 12/12/2000**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
JPAB,EPAB,DWPI,TDBD	itr	191	<u>L1</u>
JPAB,EPAB,DWPI,TDBD	inverted adj tandem adj repeat	2	<u>L2</u>
JPAB,EPAB,DWPI,TDBD	11 or 12	192	<u>L3</u>
JPAB,EPAB,DWPI,TDBD	reverse adj transcriptase	1477	<u>L4</u>
JPAB,EPAB,DWPI,TDBD	13 and 14	1	<u>L5</u>
USPT	itr	404	<u>L6</u>
USPT	inverted adj tandem adj repeat	2	<u>L7</u>
USPT	16 or 17	406	<u>L8</u>
USPT	reverse adj transcriptase	8456	<u>L9</u>
USPT	18 and 19	45	<u>L10</u>

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Database:

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11 and 12

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,JPAB,EPAB,DWPI,TDBD	(reverse adj transcriptase) near10 gene	777	<u>L1</u>
USPT,JPAB,EPAB,DWPI,TDBD	itr or (inverted adj tandem adj repeat)	598	<u>L2</u>
USPT,JPAB,EPAB,DWPI,TDBD	11 and 12	7	<u>L3</u> - Displayed twice into PREVIEW.

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(5 NOT 3).USPT,JPAB,EPAB,DWPI,TDBD.	22

Database:

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15 not 13

Refine Search:

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Search History**Today's Date: 12/12/2000**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,JPAB,EPAB,DWPI,TDBD	(reverse adj transcriptase) near10 gene	777	<u>L1</u>
USPT,JPAB,EPAB,DWPI,TDBD	itr or (inverted adj tandem adj repeat)	598	<u>L2</u>
USPT,JPAB,EPAB,DWPI,TDBD	l1 and l2	7	<u>L3</u>
USPT,JPAB,EPAB,DWPI,TDBD	(reverse adj transcriptase) near10 (dna\$1 or cdna\$1)	4735	<u>L4</u>
USPT,JPAB,EPAB,DWPI,TDBD	l2 and l4	25	<u>L5</u>
USPT,JPAB,EPAB,DWPI,TDBD	l5 not l3	22	<u>L6</u>

Displayed KWIC
w/o PRINTER.

WEST**Generate Collection****Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: US 6140114 A

L3: Entry 1 of 7

File: USPT

Oct 31, 2000

US-PAT-NO: 6140114

DOCUMENT-IDENTIFIER: US 6140114 A

TITLE: Defective viral vaccine particles obtained in vivo or ex vivo

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6027722 A

L3: Entry 2 of 7

File: USPT

Feb 22, 2000

US-PAT-NO: 6027722

DOCUMENT-IDENTIFIER: US 6027722 A

TITLE: Vectors for gene transfer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6017734 A

L3: Entry 3 of 7

File: USPT

Jan 25, 2000

US-PAT-NO: 6017734

DOCUMENT-IDENTIFIER: US 6017734 A

TITLE: Unique nucleotide and amino acid sequence and uses thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5997859 A

L3: Entry 4 of 7

File: USPT

Dec 7, 1999

US-PAT-NO: 5997859

DOCUMENT-IDENTIFIER: US 5997859 A

TITLE: Method for treating a metastatic carcinoma using a conditionally lethal gene

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5853716 A

L3: Entry 5 of 7

File: USPT

Dec 29, 1998

US-PAT-NO: 5853716

DOCUMENT-IDENTIFIER: US 5853716 A

TITLE: Genetically engineered chimeric viruses for the treatment of diseases associated with viral transactivators

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5731182 A

L3: Entry 6 of 7

File: USPT

Mar 24, 1998

US-PAT-NO: 5731182

DOCUMENT-IDENTIFIER: US 5731182 A

TITLE: Non-mammalian DNA virus to express an exogenous gene in a mammalian cell

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: WO 200022114 A1, AU 9962988 A

L3: Entry 7 of 7

File: DWPI

Apr 20, 2000

DERWENT-ACC-NO: 2000-317974

DERWENT-WEEK: 200038

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TITLE: Genetic element for producing and delivering single-stranded DNA, comprises a gene encoding reverse transcriptase and a sequence of interest flanked by an inverted tandem repeat and primer binding site

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Term	Documents
(1 AND 2).USPT,JPAB,EPAB,DWPI,TDBD.	7

99

Documents, starting with Document:

Display Format:

Serial No. 09/397,782

STN SEARCH

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NEWS 6 Oct 27 Plasdoc Key Serials Dictionary and Echoing added to Derwent Subscriber Files WPIDS and WPIX

NEWS 7 Nov 29 Derwent announces further increase in updates for DWPI
NEWS 8 Dec 5 French Multi-Disciplinary Database PASCAL Now on STN
NEWS 9 Dec 5 Trademarks on STN - New DEMAS and EUMAS Files
NEWS EXPRESS FREE UPGRADE 5.0DPI FOR STN EXPRESS 5.0 WITH DISCOVER! (WINDOWS) NOW AVAILABLE

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FILE LAST UPDATED: 11 Dec 2000 (20001211/ED)

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=> s (itr or (inverted (w) tandem (w) repeat#)/bi,ab

UNMATCHED LEFT PARENTHESIS '(ITR'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s (itr or (inverted (w) tandem (w) repeat#))/bi,ab

385 ITR/BI

319 ITR/AB

18868 INVERTED/BI

17876 INVERTED/AB

27102 TANDEM/BI

23200 TANDEM/AB

48590 REPEAT#/BI

44412 REPEAT#/AB

4 INVERTED (W) TANDEM (W) REPEAT#

L1 389 (ITR OR (INVERTED (W) TANDEM (W) REPEAT#))/BI,AB

=>

=> s (reverse (w) transcriptase#)/bi,ab

124983 REVERSE/BI

113568 REVERSE/AB

16935 TRANSCRIPTASE#/BI

15318 TRANSCRIPTASE#/AB

L2 16453 (REVERSE (W) TRANSCRIPTASE#)/BI,AB

=> s l1 and l2

L3 1 L1 AND L2

=> d l3 1 bib ab

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS

AN 2000:272115 CAPLUS

DN 132:289581

TI Production of single-stranded DNA in vivo

IN Conrad, Charles A.

PA Ingene, Inc., USA

SO PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

Serial No. 09/397,782
STN SEARCH

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000022114 A1 20000420 WO 1999-US23936 19991012
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH,
CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT,
BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,
MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW,
ML, MR, NE, SN, TD, TG AU 9962988 A1 20000501 AU
1999-62988 19991012 PRAI US 1998-169793 19981009
US 1999-397782 19990916
WO 1999-US23936 19991012

AB Methods and compns. are provided for producing single-stranded cDNA (ss-cDNA) in eukaryotic cells, specifically, a DNA cassette that produces ss-cDNA in vivo. The cassette contains the Moloney murine leukemia virus reverse transcriptase /RNase H coding gene, a bacterial restriction endonuclease gene, and a sequence of interest which produces an RNA template from which the reverse transcriptase synthesizes ss-cDNA of a specified sequence. The ss-cDNA is then modified to remove all flanking vector sequences by taking advantage of the "stem-loop" structure of the ss-cDNA, which forms as a result of the inclusion of an inverted tandem repeat that allows the ss-cDNA to fold back on itself, forming a double stranded DNA stem, in the sequence of interest. The double-stranded stem contains one or more functional genetic elements such as a restriction endonuclease recognition site and the loop, which remains as ss-DNA, is comprised of any desired nucleotide sequence. This design allows the double-stranded stem of the stem-loop intermediate to be cleaved by the desired corresponding restriction endonuclease(s) specific for the site in the stem and the loop portion, or sequence of interest, is then released as a linearized, single-stranded piece of DNA. This released (or cleaved) ss-DNA piece contains minimal, if any, sequence information either upstream 5' or downstream 3' from the previous double stranded stem portion which contains the restriction endonuclease cut site. In vivo transfections using the DNA vector system described herein demonstrate the use of this system to produce ss-DNA in host cells.

RE.CNT 11

RE

- (1) Genset; WO 9423026 A 1994 CAPLUS
- (2) Hybridon Inc; WO 9401550 A 1994 CAPLUS
- (3) Mac, J; J BIOL CHEM 1995, V270(34), P19684 CAPLUS
- (5) Miller, J; WO 9413689 A 1994 CAPLUS
- (6) Miller, J; WO 9535369 A 1995 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FULL ESTIMATED COST 20.34 20.49

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